

## SEQUENCE LISTING

<110> Vajnik, Vandanna  
Samuels, Herbert  
Li, Dangsheng

<120> NRIF3, A Novel Co-Activator for Nuclear  
Hormone Receptors

<130> 5986/1G098-US1

<140> TBA

<141> Concurrently Herewith

<150> US 60/154,347

<151> 1999-09-17

<160> 10

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<221> UNSURE

<222> (2)...(3)

<223> Conserved motif for SRC-1 and CBP/p300 with  
nuclear receptors;  
Xaa represents any amino acid

<400> 1

Leu Xaa Xaa Leu Leu  
1 5

<210> 2

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<221> UNSURE

<222> (2)...(3)

<223> Domain of NRIF3 that interacts with liganded  
receptors;  
Xaa represents any amino acid

<400> 2

Leu Xaa Xaa Ile Leu  
1 5

<210> 3  
 <211> 592  
 <212> DNA  
 <213> Homo Sapien

<400> 3

cagcggcagt	ggtgctttcc	cgaatctcag	aatgcctggt	aaaagatcac	tgaagttgga	60
tggtctgtta	gaagaaaatt	catttgatcc	ttcaaaaatc	aaggaagaaa	gtgttataac	120
ttattctcca	acaactggaa	cttgtcaaat	gagtcctattt	gcttctccca	caagttctga	180
agagcaaaaag	cacagaaatg	gactatcaaa	tgaaaagaga	aaaaaattga	atcacccagt	240
ttaactgaaa	gcaaagaatc	tacaacaaaa	gacaatgatg	aattcatgat	gttgctatca	300
aaagttgaga	aattgtcaga	agaaatcatg	gagataatgc	aaaattttaag	tagtatacag	360
gctttggagg	gcagtagaga	gcttgaaaat	ctcattggaa	tctcctgtgc	atcacatttc	420
taaaaagaga	aatgcagaaa	accaaagaac	taatgacaaa	gtgaataaac	aaaactgttt	480
gaaaagagta	caggacttcc	tcacaaagca	tcacgtcatc	ttgacagcta	tgaattcctt	540
aaagcattttt	aaactgaggc	attaagaaga	aatgcactca	ccatgagcac	ca	592

<210> 4  
 <211> 177  
 <212> PRT  
 <213> Homo Sapien

<400> 4

Met	Pro	Val	Lys	Arg	Ser	Leu	Lys	Leu	Asp	Gly	Leu	Leu	Glu	Glu	Asn
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Ser	Phe	Asp	Pro	Ser	Lys	Ile	Thr	Arg	Lys	Lys	Ser	Val	Ile	Thr	Tyr
			20					25					30		
Ser	Pro	Thr	Thr	Gly	Thr	Cys	Gln	Met	Ser	Leu	Phe	Ala	Ser	Pro	Thr
			35				40					45			
Ser	Ser	Glu	Glu	Gln	Lys	His	Arg	Asn	Gly	Leu	Ser	Asn	Glu	Lys	Arg
			50			55					60				
Lys	Lys	Leu	Asn	His	Pro	Ser	Leu	Thr	Glu	Ser	Lys	Glu	Ser	Thr	Thr
			65			70			75					80	
Lys	Asp	Asn	Asp	Glu	Phe	Met	Met	Leu	Leu	Ser	Lys	Val	Glu	Lys	Leu
			85					90					95		
Ser	Glu	Glu	Ile	Met	Glu	Ile	Met	Gln	Asn	Leu	Ser	Ser	Ile	Gln	Ala
			100					105					110		
Leu	Glu	Gly	Ser	Arg	Glu	Leu	Glu	Asn	Leu	Ile	Gly	Ile	Ser	Cys	Ala
			115				120					125			
Ser	His	Phe	Leu	Lys	Arg	Glu	Met	Gln	Lys	Thr	Lys	Glu	Leu	Met	Thr
			130			135					140				
Lys	Val	Asn	Lys	Gln	Lys	Leu	Phe	Glu	Lys	Ser	Thr	Gly	Leu	Pro	His
			145		150				155					160	
Lys	Ala	Ser	Arg	His	Leu	Asp	Ser	Tyr	Glu	Phe	Leu	Lys	Ala	Ile	Leu
			165					170						175	
Asn															

<210> 5  
 <211> 4  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> Nuclear localization sequence of NRIF3

<400> 5

Lys Arg Lys Lys

1

<210> 6

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> C-terminus of beta3-endotoxin long form protein

<400> 6

Gly Gln Pro Gln Met Ser Pro Gln Leu

1

5

<210> 7

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> C-terminal peptide of NRIF3

<400> 7

Lys Ala Ser Arg His Leu Asp Ser Tyr Glu Phe Leu Lys Ala Ile Leu

1

5

10

15

Asn

<210> 8

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> 20-residue peptide of the second LxxLL box of SRC-1

<400> 8

Ser Leu Thr Glu Arg His Lys Ile Leu His Arg Leu Leu Gln Glu Gly

1

5

10

15

Ser Pro Ser Asp

20

<210> 9

<211> 12

<212> DNA

<213> Artificial Sequence

<220>

<223> Idealized inverted repeat

71

<400> 9  
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12

<210> 10  
<211> 13  
<212> DNA  
<213> Artificial Sequence

<220>  
<221> misc\_feature  
<222> (7)  
<223> DR1 sequence; n represent any nucleotide

<400> 10  
agggtcanagg tca

13

agggtcatgac

72